

IN THE CLAIMS

A listing of all claims and their current status in accordance with 37 C.F.R. § 1.121(c) is provided below.

Claims 1-17 (cancelled)

18. (new) A pulse oximetry sensor comprising:

a substrate;

an emitter disposed on the substrate;

a detector disposed on the substrate; and

a cable disposed on the substrate, wherein the cable extends from the substrate at an angle not in-line with an imaginary axis extending through the emitter and the detector.

19. (new) The sensor of claim 18, wherein the cable is disposed on the substrate in a substantially orthogonal direction relative to the axis.

20. (new) The sensor of claim 18, wherein the cable is disposed on the substrate such that the cable substantially bisects the emitter and the detector.

21. (new) The sensor of claim 18, wherein the substrate comprises a T-shape.
22. (new) The sensor of claim 18, wherein the sensor is adapted to operate in a reflectance mode.
23. (new) The sensor of claim 18, wherein the substrate is adapted to be used on a patient's forehead.
24. (new) The sensor of claim 18, wherein the substrate is adapted to be attached to a headcovering.
25. (new) The sensor of claim 24, wherein the headcovering comprises a headband, a hat, or a cap.
26. (new) The sensor of claim 24, wherein the substrate comprises an adhesive layer adapted to attach the substrate to the headcovering.
27. (new) A pulse oximetry sensor adapted for use on a patient's forehead comprising:
- a substrate conformable to a patient's forehead, wherein the substrate is substantially arcuate when flattened against a planar surface;

an emitter disposed on a substrate; and

a detector disposed on the substrate.

28. (new) The sensor of claim 27, wherein the substrate is conformable to a forehead-contacting surface of a headcovering.

29. (new) The sensor of claim 28, wherein the headcovering comprises a headband, a hat, or a cap.

30. (new) The sensor of claim 28, wherein the substrate is adapted to be attached to the headcovering.

31. (new) The sensor of claim 28, wherein the substrate comprises one or more alignment indicia for attaching the substrate to the headcovering.

32. (new) The sensor of claim 28, wherein the substrate comprises an adhesive layer adapted to attach the substrate to the headcovering.

33. (new) The sensor of claim 28, wherein the headcovering comprises one or more alignment indicia for aligning the substrate to a predetermined position on the patient's forehead.

34. (new) The sensor of claim 33, wherein the predetermined position comprises a lower forehead region.

35. (new) The sensor of claim 33, wherein the predetermined position comprises a position substantially centering the emitter and the detector above a patient's iris.

36. (new) The sensor of claim 33, wherein the predetermined position comprises a position wherein the emitter and the detector are lateral to a patient's iris.

37. (new) A headcovering comprising:

a pulse oximetry sensor, wherein the pulse oximetry sensor comprises:

a substrate;

an emitter disposed on a substrate;

a detector disposed on the substrate; and

a cable disposed on the substrate, wherein the cable is adapted to extend from the substrate through a portion of the headcovering that corresponds to a top of a patient's head when the headcovering is applied to the patient.

38. (new) The sensor of claim 37, wherein the substrate is conformable to a forehead-contacting surface of the headcovering.
39. (new) The sensor of claim 37, wherein the headcovering comprises a hat.
40. (new) The sensor of claim 37, wherein the headcovering comprises a stocking cap.
41. (new) The sensor of claim 37, wherein the cable is embedded within the headcovering.
42. (new) The sensor of claim 37, wherein the substrate is adapted to be attached to the headcovering.
43. (new) The sensor of claim 37, wherein the substrate comprises an adhesive layer adapted to attach the substrate to the headcovering.